

DEVICES SWITCHABLE BETWEEN BUSES

ABSTRACT OF THE DISCLOSURE

[0034] Devices are assigned to different buses at development time as well as dynamically during operation, based on actual performance. At development time, bus assignment can be determined based on experiments and direct observation of how devices behave in various configurations. At run time, load on each bus is preferably measured periodically, and when it is uneven, devices are reallocated to different buses. In an alternative embodiment, a user can specify a preference for using more or fewer buses in order to optimize operation for efficiency or lower power consumption.